

AMENDMENTS TO THE CLAIMS

1 (currently amended) An optical disk high-speed replaying/recording apparatus for reading which reads, from a first optical disk having recorded thereon digital data in first units to be reproduced at a first replay speed as being a normal replay speed, the digital data in second units smaller than the first units at a second replay speed higher than the first replay speed, and writing writes the read second units of digital data in a writable second optical disk, and then records so as to reform the first units in the second optical disk, the apparatus comprising:

first read data quality determining means for determining a quality of the read second units of digital data; and

first re-reading means for re-reading, upon determination that the quality of the second units of digital data is low, the first units of digital data in the second units at a third replay speed obtained by subtracting a first predetermined speed from the second replay speed.

2 (currently amended) The optical disk high-speed replaying/recording apparatus according to claim 1, further comprising:

second read data quality determining means for determining a quality of the re-read second units of digital data; and

second re-reading means for re-reading, upon determination that the quality of the re-read second units of digital data is low, the first units of digital data in the second units at a fourth replay reply speed obtained by subtracting a second predetermined speed from the third replay speed.

3 (original) The optical disk high-speed replaying/recording apparatus according to claim 2, wherein

the first predetermined speed is equal to the second predetermined speed.

4 (original) The optical disk high-speed replaying/recording apparatus according to claim 1, wherein

the first predetermined speed has an arbitrary value so that the third replay speed is higher than the first replay speed.

5 (currently amended) The optical disk high-speed replaying/recording apparatus according to claim 2, wherein

the second predetermined speed has an arbitrary value so that the fourth ~~fourth~~ replay speed is higher than the first replay speed.

6 (original) The optical disk high-speed replaying/recording apparatus according to claim 1, wherein

the second units are any of tracks, sectors, and data blocks.

7 (original) The optical disk high-speed replaying/recording apparatus according to claim 1, wherein

upon writing of the first units of digital data in the second optical disk, management information of the first units of digital data is written in a record data management information storage area of the second optical disk.

8 (original) The optical disk high-speed replaying/recording apparatus according to claim 7, wherein

the second optical disk is an MD-R disk, the record data management information storage area is an UTOC area, and the management information is UTOC information.

9 (original) The optical disk high-speed replaying/recording apparatus according to claim 1, wherein

the first optical disk is a CD-R disk.

10-20 (canceled)

21 (currently amended) An The optical disk high-speed replaying/recording apparatus according to claim 10, wherein for reading data from a first optical disk having recorded thereon first digital data to be reproduced at a first replay speed, at a second replay speed higher than the first replay speed, reproducing the read data as second digital data, and recording the reproduced second digital data in the second writable optical disk, the apparatus comprising:

fastest possible replay speed detecting means for detecting, based on a piece of the second digital data reproduced from a predetermined portion of a recording area of the first optical disk, a fastest possible replay speed applicable to an entire recording area of the first optical disk;

optical disk replaying means for reproducing the second digital data from the first optical disk at the fastest possible replay speed; and

optical disk recording means for recording the second digital data on the second optical disk,

wherein the fastest possible maximum replay speed detecting means includes:

high-speed reproducing means for reproducing the second digital data from the predetermined portion at the second replay speed;

reproduced digital data quality determining means for determining a quality of the second digital data reproduced by the high-speed reproducing means; and

high-speed replaying control means for determining, upon determination that the quality of the reproduced second digital data is low, a third replay speed by subtracting a predetermined speed from the second replay speed until another determination is made that the quality is high, and causing the high-speed reproducing means to reproduce the second digital data from the predetermined portion at the third replay speed for output to the reproduced digital data quality determining means.

22 (original) The optical disk high-speed replaying/recording apparatus according to claim 21, wherein

the predetermined speed has a value smaller than a value obtained by subtracting the first replay speed from the second replay speed.

23 (currently amended) The optical disk high-speed replaying/recording apparatus according to claim 22, wherein

the fastest possible maximum replay speed detecting means further includes maximum speed detecting means for determining, as the fastest possible maximum replay speed, thea third replay speed which is used upon determination that the quality of the second digital data is high.